

ABSTRACT

A method and structure for packaging fiber optics devices hermetically are provided. The packaging structure comprises a fiber optics sub-assembly that has one or more fibers extending out, a housing cap, and a sleeve. Sealants are permeated into narrow gaps between the fiber optics sub-assembly and other components through a capillary effect to achieve their tight bonding and air-tightness. The packaging method is different from and superior to conventional methods using a soldering process.